

# Iowa Energy Bank Annual Report

January 1, 2013

Iowa Department of Administrative Services

Mike Carroll, Director

## Executive Summary

### 2012 Results at a Glance:

- \$21 million in energy improvements implemented
- \$14 million in energy loans provided
- \$1.2 million in energy costs saved
- 65 customers enrolled in the Iowa Energy Bank

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The Iowa Energy Bank offers an easy to use cost-cutting solution for Iowa's public and non-profit facilities. Through the Energy Bank, schools, hospitals, local governments, state agencies and private colleges identify and implement energy saving improvements. Below market rate loans make the upfront investment and energy dollar savings repay the full cost of the project over time.

In 2012, the Energy Bank's customers have implemented projects with an annual energy savings of over \$1.2 million. Energy Bank staff work closely with each customer to learn their immediate needs

and long-term goals. Then we help design a plan that will get them there. By providing technical expertise, dedicated assistance and financing, energy projects become much easier to accomplish.

An initial investment of \$12.5 million in federal funds leveraged additional local capital to implement over \$21 million in projects. The program has also identified \$60 million in energy projects ready or near ready for completion in 2013.

In partnership with the Iowa Finance Authority, the Energy Bank is developing long-term strategies to provide

financing for all cost effective projects through this program. The demand is there, and the savings is a real bottom line benefit to Iowans.



*Energy efficient schools save money and have better learning environments*

## Program Delivery Partnership

The Building Energy Management Program was established by the Iowa legislature in 1986 to enable public facilities across Iowa to identify, evaluate and implement cost effective energy improvement. Responsibility for this program, also known as the Iowa Energy Bank, was transferred to the

Economic Development Authority (EDA) in 2011.

Through an agreement with EDA, this program has been administered by the Department of Administrative Services since September 2011.

In accordance with Iowa Code sections 473.13A and 473.19,

Iowa Code Supplement section 473.20 and 10 CFR 420 (1976), the Department of Administrative Services respectfully submits the 2011-2012 Iowa Energy Bank Annual Report. The results outlined in this report reflect the time frame September 2011 through June 2012.

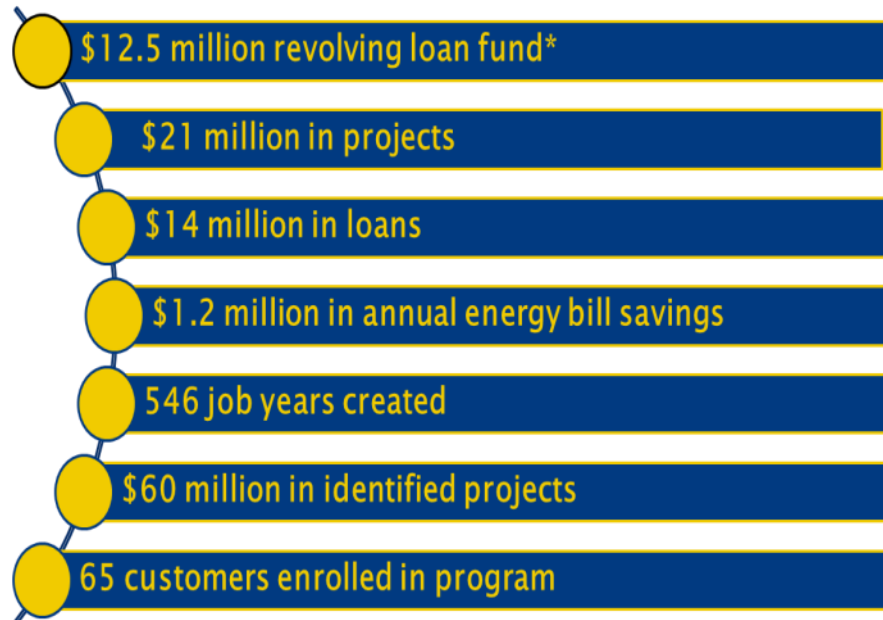
## Results Summary

A \$12.5 million investment in the Iowa Energy Bank allowed public and non-profit facilities to implement energy projects totaling \$21 million. This generated \$1.2 million in energy cost savings this year alone.

Loan funds have begun revolving, allowing the program to expand its loan portfolio beyond the initial investment to provide more than \$14 million in loans.

Today, more than \$60 million in energy projects have been identified through energy studies and the number of customers enrolled in the Energy Bank program is 65 and growing.

\*Funding source: U.S. Dep't. of Energy



## Public/Private Partnerships Put People to Work

**Energy Bank  
investments  
have created  
546 job years  
in Iowa  
communities.**

Making energy improvements puts people to work through strong public/private partnerships.

Professional engineers, architects, construction firms, and other professionals are benefit-

ing from the work created when public facilities invest in energy efficiency and renewable energy. As participants in Energy Bank advisory committees, these groups, plus utilities and associations, help ensure we leverage private sector resources to create jobs and ensure program success

The \$12.5 million initial investment in the Energy Bank has helped to create 546 job years, based on a calculation model developed by the American Council for an Energy Efficient Economy. Even better,



because many of the people working on these projects live in the participating communities, there is a multiplier effect that benefits the local economy.

## Helping Schools Create Better Learning Environments

Making energy improvements not only saves money, but helps schools improve the work and learning environments for teachers and students alike.

The school districts of Jefferson-Scranton and Central City both implemented improvements this year, and the cost of the projects will be entirely repaid from energy savings.

Jefferson-Scranton implemented interior lighting improvements, while

Central City completed comprehensive heating, lighting and controls projects.

**Karl Kurt**, Superintendent of the **Central City School District** said, "Investing in our school's infrastructure will help us achieve long-term benefits for students and taxpayers."

Both districts have benefited from below market rate financing from the Energy Bank to make the projects even more affordable.



Superintendent **Tim Christensen** from **Jefferson-Scranton** says, "Borrowing money through the Energy Bank is budget neutral, allowing us to re-pay the loan with future savings."

## Improving Iowa Communities

For many cities, making improvements to their lighting, buildings and infrastructure will result in taxpayer dollar savings and a quick payback.

More than 20 cities across the state are now working with the Energy Bank to identify the options for savings.

In the City of Perry, officials decided to take a comprehensive approach, examining lighting, building and water/wastewater treatment facility

improvements. City leaders intend to explore every opportunity to ensure they don't leave any energy savings potential on the table. They have already installed two wind turbines and are also exploring solar energy possibilities.

The Energy Bank is an important resource in helping Iowa communities meet their goal of reducing the cost of government while providing excellent city services.

"Our ability to use the financing through the Energy Bank will allow us to invest in energy measures that make sense."

**Butch Niebuhr**, City of Perry

## Cutting the Cost of Higher Education



**Simpson College will save nearly \$220,000 annually in energy costs.**

Simpson College has a three-phase plan to update mechanical systems, replace leaky windows and upgrade lighting. This will reap big monetary rewards to the tune of \$220,000 a year.

College officials are taking a big picture approach to improving campus life for students and faculty, which is also safe guarding the campus infrastructure for years to come.



## 2012 Revolving Loan Recipients

Customer	Project
Kirkwood Community College	Wind turbine
City of Maquoketa	Street and other outdoor lighting
East Marshall Schools	Geothermal system
Calvin Community Care Center	Heating system
University of Northern Iowa	Lighting and system controls
Jefferson–Scranton Schools	Interior lighting
Simpson College	Heating system and windows
City of Scranton	Heating system
Nashua Plainfield Schools	Geothermal system
Department of Administrative Services	Heating system
Central City Schools	Heating system, lighting and controls
Fairfield Economic Development Authority	Community loan program
Iowa Association of Municipal Utilities	Utility demand reduction projects
Dordt College	Boiler replacement, LED lighting

## Future Opportunities

Public and non-profit facilities across Iowa have expressed need for the Energy Bank.

By removing the two most common barriers to energy projects – time and money – and adding expertise, many of Iowa’s taxpayer supported facilities are ready to explore their energy savings potential.

With many millions of dollars in potential savings, the Energy Bank offers a vast opportunity for creating jobs, improving schools and reducing the cost of government

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Learn more about the Energy Bank at: [www.iowaEnergyBank.gov](http://www.iowaEnergyBank.gov)